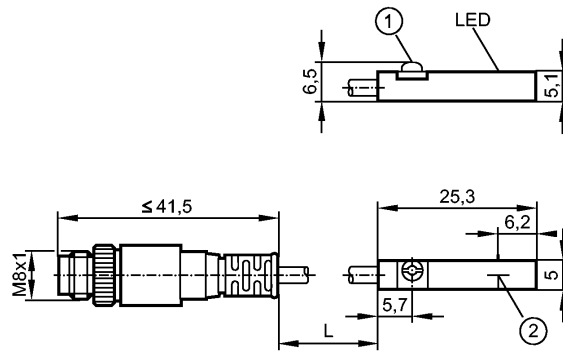


**MK5102**

MKT3028BBPKG/G/0.3M/ZH/ASR

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
- 2: sensing face

Made in Germany



**Product characteristics**

cylinder sensor with GMR cell
Plastic housing for T-slot cylinders
Cable with connector
[f] flush mountable
Magnetic sensitivity 2.8 mT
Travel speed > 10 m/s

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Power-on delay time [ms]	< 30

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	10000

**Range**

Magnetic sensitivity [mT]	2.8
Travel speed [m/s]	> 10

**Accuracy / deviations**

Hysteresis [mm]	< 1.5
Repeatability [mm]	< 0.2

**Environment**

Ambient temperature [°C]	-25...85
Protection	IP 65 / IP 67

**Tests / approvals**

EMC	EN 61000-4-2 ESD: - CD / 8 kV AD
	EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz)

**MK5102**

MKT3028BBPKG/G/0.3M/ZH/ASR

Magnetic sensors, cylinder sensors

	EN 61000-4-4 Burst:	2 kV
	EN 61000-4-6 HF conducted:	10 V (0.15...80 MHz)
	EN 55011:	class B
MTTF	[Years]	3694

**Mechanical data**

Mounting	flush mountable
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel
Weight	[kg] 0.015

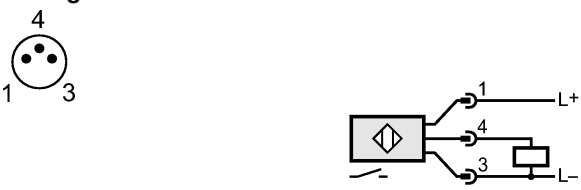
**Displays / operating elements**

Output status indication	LED	yellow
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**Electrical connection**

Connection	PUR cable / 0.3 m; with M8 connector, with turnable coupling ring
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**Wiring**



**Accessories**

Accessories (included)	rubber placeholder; cable clip
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**Remarks**

Remarks	cULus - Class 2 source required Clamping screw with combined slot/hexagon socket head AF 1.5
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Pack quantity	[piece] 1
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